

REMARKS

Claims 1-16 are pending in this application. By this Amendment, claims 1, 2, 4, 7, 9-12, 14 and 15 are amended. The claims are amended for clarification purposes only, and not for reasons of patentability. No new matter is added.

Objection to the Drawings

The Examiner objected to Figures 1-3 under MPEP § 608.02(g). Attached herewith is a replacement sheet for Figures 1-3 which indicates the figures as “Conventional Art”. Withdrawal of the rejection is respectfully requested.

The Examiner objected to Figure 6 due to informalities. Attached herewith is a replacement sheet for Figure 6, which takes into consideration the Examiner’s suggestions. Withdrawal of the objection is respectfully requested.

Objection to the Claims

Claims 1-9, 11, 12, 15 and 16 are objected to due to informalities. By this Amendment, claims 1, 7, 9, 11 and 15 have been amended to obviate the objection, as suggested by the Examiner. Withdrawal of the objection is respectfully requested.

Claim Rejections – 35 U.S.C. § 112

Claims 2, 4, 11, 12, 14 and 15 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention.

By this Amendment, claims 2, 4, 11, 12, 14 and 15 have been amended, taking into consideration the Examiner’s suggestions. Thus, withdrawal of the rejection is respectfully requested.

Claim Rejections – 35 U.S.C. § 103

Claims 1, 4-6, 8, 10, 11 and 13 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over Admitted Prior Art (“APA”) in view of Bayley, U.S. Patent No. 6,101,173. This rejection is respectfully traversed.

Applicants submit that neither the APA nor Bayley, singly or in combination, teach or suggest a method for detecting a multipath component of packet data at a receiver, comprising, at least:

searching for a multipath component during an inactive period of said data transmission, including defining a dynamic acquisition search window having a time width which increases in proportion to a time duration of the inactive period (underlining for emphasis)

as recited in claim 1, and as similarly recited in claim 13.

Applicants agree with the Examiner that APA fails to teach or suggest “a dynamic search window having a time width which increases in proportion to a time duration of the inactive period”. Yet, the Examiner attempts to overcome the admitted deficiencies in APA by alleging that Bayley teaches the adapted search window associated with the inactive period.

However, Bayley discloses a method and circuit for adaptively determining a pilot signal reacquisition time having a control processor 62 for measuring a magnitude of a shift in the pilot signal phase (e.g., the control processor 62 increases the reacquisition time to a maximum reacquisition time if the measured magnitude is greater than the shift threshold T) (col. 5, lines 50-53). That is, Bayley discloses the increased reacquisition time is measured based on the magnitude of the shift threshold, rather than being based in proportion to a time duration of the inactive period.

Further, Bayley discloses that the increase in the reacquisition time occurs in successive steps according to the magnitude of the shift or the reacquisition time may be restored to $R = \text{MAX msec}$ if the magnitude of the shift in the pilot signal PN phase is greater than $T \mu\text{sec}$ (col. 6, lines 34-45).

Accordingly, it would not have been obvious to combine the references of APA and Bayley because Bayley teaches that if successive steps were employed to increase the reacquisition time, a slower response time to rapid changes in the environment and loss of incoming messages would be rendered (col. 6, lines 45-50). Thus, one skilled in the art would not have been motivated to select the references in the manner suggested by the Examiner and combine APA and Bayley to render the claimed invention obvious.

For at least these reasons, claims 1 and 13 and those claims dependent thereon are allowable over the prior art. Withdrawal of this rejection is respectfully requested.

Claims 2, 3, 12 and 14-16 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over APA in view of Bayley, and further in view of Hutchinson, IV et al. (hereinafter "Hutchinson") (U.S. Patent No. 5,790,589). This rejection is respectfully traversed.

As discussed above, APA and Bayley, singly or in combination, fail to disclose or suggest the claimed invention as recited in claim 1 and 13, the independent claims from which the rejected claims depend. Further, Hutchinson fails to overcome the noted deficiencies of APA and Bayley. Thus, it is respectfully requested the rejection be withdrawn.

Claims 7 and 9 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over APA in view of Bayley, and further in view of Bloebaum (U.S. Patent No. 6,188,351). This rejection is respectfully traversed.

As discussed above, APA and Bayley fail to disclose or suggest the claimed invention as found in independent claim 1, the independent claim from which the rejected claims depend. Further, Bloebaum fails to overcome the noted deficiencies of APA and Bayley. Thus, it is respectfully requested that the rejection be withdrawn.

For at least these reasons, Applicants respectfully submit that APA, Bayley, Hutchinson and Bloebaum, individually or in combination, fail to disclose or render obvious the features recited in independent claims 1 and 13. Claims 2-12 and 14-16, which depend from independent claims 1 or 13, are likewise distinguished over the applied art for at least the reasons discussed, as well as for the additional features they recite. Reconsideration and withdrawal of the rejections are respectfully requested.

CONCLUSION

Accordingly, in view of the above amendments and remarks, reconsideration of the objections and rejections and allowance of each of claims 1-16 in connection with the present application is earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

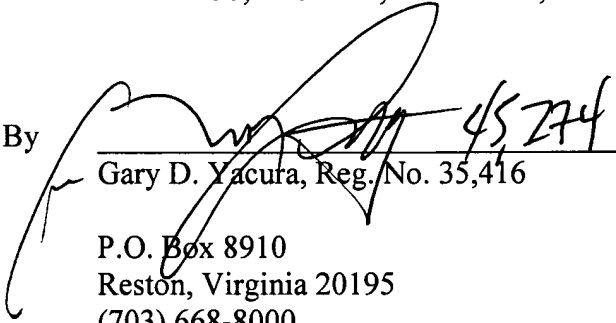
If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any

additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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By

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Amendment to the Drawings

The attached sheet of drawings includes changes to Figure 1-3 and 6. This sheet, which includes Figures 1-3 and 6, replaces the original sheet including Figures 1-3 and 6.

Attachment: Replacement Drawing Sheets